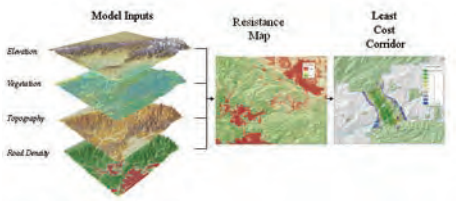
CALTRANS STATEWIDE PROGRAMS

Along with our long-range planning documents, the CIB integrates critical Caltrans sponsored programs including:

- California Regional Planning Program
- Smart Mobility Framework
- Complete Streets
- California Essential Habitat Connectivity Project
- Climate Action Program
- Regional Advance Mitigation Planning (RAMP)/ Caltrans Statewide Advance Mitigation Initiative (SAMI)

Integrating these statewide programs, provides information and data to help select select and fund transportation projects that ensure the sustainability of California's transportation system. The programs are summarized in the following matrix.

Program	Program Purpose	How The Program Supports CIB
California Regional Blueprint Planning Program www.calblueprint.dot.ca.gov/ 	Regional Blueprint Planning promotes the linking of transportation, land use, housing, and the environment while developing visions that support transportation plans and projects. Regional Blueprint Planning grants help metropolitan planning organizations and regional transportation planning agencies carry out these visions during public outreach using scenario- planning tools to select community-preferred growth scenarios for future growth and development.	Regional Blueprint Planning and land use visions will complement the CIB and allow the State to define an integrated multimodal transportation system that addresses the State's GHG emissions reduction targets established by AB 32. In addition, more robust modeling and data programs will ensure that this integrated multimodal transportation system builds upon existing regional transportation plans and Regional Blueprint Plans.
Smart Mobility 2010 – A Call to Action for the Next Decade www.dot.ca.gov/hq/tpp/offices/ocp/smf/html 	The Caltrans Smart Mobility 2010 document sets a vision and guide for Caltrans' transformation to a sustainable, multimodal transportation system. *Smart Mobility is defined as moving people and freight while enhancing California's economic, environmental, and human resources by emphasizing*: · Convenient and safe multimodal travel · Speed suitability · Accessibility · Management of the circulation network · Efficient use of land	Smart Mobility Framework provides principles, strategies, place types, and performance measures to guide transportation planning, design, decision-making, implementation, and evaluation throughout Caltrans. These principles, strategies, place types, and performance measures, along with a new study that will test real examples of implementing Smart Mobility into Caltrans' activities, will provide the tools that will assist Caltrans staff in successfully implementing the multimodal, sustainable, interregional transportation system envisioned in the CIB.

Program	Program Purpose	How The Program Supports CIB
Complete Streets www.dot.ca.gov/hq/offices/ocp/complete_streets.html 	Complete Streets are roadways designed to enable safe access for all legal users, including bicyclists, pedestrians, people using mobility aids, motorists, and transit riders of all ages and abilities. Caltrans has revised its policies and adopted the Complete Streets Implementation Action Plan to reflect the need to plan, design, and operate facilities as Complete Streets. There are 73 efforts underway to improve Caltrans' procedures and practices, so Complete Streets can be more fully implemented throughout the statewide transportation system.	Complete Streets policies and actions support the goals of an integrated multimodal transportation system needed to ensure choices for all travelers. Complete Streets also provides further opportunities to address the safety needs of walking and bicycling through specific challenge areas identified in the Strategic Highway Safety Plan and its implementation plan.
California Essential Habitat Connectivity Study www.dot.ca.gov/hq/env/bio/program_efforts.htm 	Caltrans and the California Department of Fish and Game (CDFG) sponsored this study to conserve and ensure the continued existence of California wildlife and biodiversity by integrating natural resource information into planning. By considering environmental impacts of transportation projects early in the planning process, this study will also allow Caltrans and CDFG to meet the requirements set forth in Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users, Section 6001.	The California Essential Habitat Connectivity Study provides a statewide wildlife habitat connectivity map using geographic information systems (GIS) analysis and modeling. These data layers can then be integrated into transportation and land use planning in order to sustain the State's unique natural heritage. When this information is considered in the integrated land use and transportation planning process, this study provides another layer of information for decision-makers when developing a sustainable integrated multimodal transportation system.

Program	Program Purpose	How The Program Supports CIB
Climate Change Program www.dot.ca.gov/hq/tpp/offices/orip/climate_change.html 	The Global Warming Solution Act of 2006 created a comprehensive, multi-year program to reduce GHG emissions in California. In response to AB 32, Governor's Executive Orders, Administrative policies, and related legislative rulings, Caltrans is working closely with the Administration's Climate Action Team (CAT) and the California Air Resources Board to support the development and implementation of the State's climate change objectives. Caltrans is facilitating climate change planning and implementation through the development of guidance on how climate change will impact the State transportation system. Caltrans recently developed Guidance on Incorporating Sea Level Rise for addressing sea level rise concerns in the planning and design of State highway projects. Caltrans is also currently sponsoring research efforts to develop a map of transportation infrastructure critically vulnerable to climate change as well as an informational resource for MPOs and RTPAs to address climate change in Regional Transportation Plans.	Climate Change mitigation and adaptation strategies work towards a sustainable transportation system essential to a successful CIB.

Program	Program Purpose	How The Program Supports CIB
Regional Advance Mitigation Planning (RAMP)/ Caltrans Statewide Advance Mitigation Initiative (SAMI) https://rampcalifornia.water.ca.gov/ University of California, Davis  *In this analysis, University of California, Davis and the agencies selected a region where there was enough demand (infrastructure projects) and supply (conservation opportunities) in proximity. The parcels that meet potential mitigation needs and regional conservation priorities that were identified in the regional "greenprint" received the highest value.*	Caltrans and the Department of Water Resources, with the assistance of federal and state resource and regulatory agencies, are developing advance mitigation planning programs. Advance mitigation planning will allow state and federal agencies to consider the environmental impacts of several planned infrastructure projects at once. The "advance" time frame will identify regional mitigation opportunities that will satisfy anticipated mitigation requirements early in the project planning and environmental review process. Part of the intent of SAFETEA-LU is to promote streamlining of environmental considerations throughout the transportation planning process, integrate natural resources into the decision-making process early, and early coordination.	RAMP's benefits to infrastructure will promote sustainable growth in California's regions, supporting better transportation and land use decisions that can reduce greenhouse gas emissions. As advance mitigation planning is applied in multiple regions, it will also help the State to take the next critical steps to plan for sustainable infrastructure on an interregional basis. By incorporating mitigation planning from multiple regions as they become available, the CIB will become more sustainable.

TOOLS, DATA AND MODELS: Measuring the Performance of the California Interregional Blueprint

The CIB is supported by a package of analytical tools, data, and models that will measure the effectiveness of our plans.

Statewide Model Framework

The statewide model framework consists of three models that are informed by a travel behavior survey (see graphic). The model framework links short-and long-range transportation planning to complement regional planning efforts. The models will be used to test policy scenarios for the California Transportation Plan 2040.

Statewide Freight Model

The Statewide Freight Model is intended to help Caltrans and the Air Resources Board better understand freight movement in California and its impacts on highway infrastructure, transportation networks, highway safety, energy use, and emissions.

Statewide Travel Demand Model

The Statewide Travel Demand Model is a statewide multimodal travel demand model designed to evaluate various transportation strategies. A key output of this model will be estimates of long distance trips between the regions.

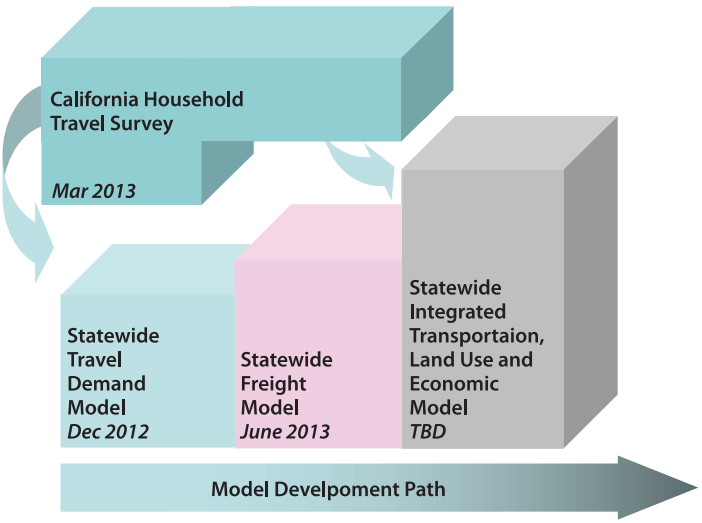
Statewide Integrated Transportation, Land Use, and Economic Model (SIM)

The SIM (when fully funded) will forecast the interaction of transportation system investment and land use development. With the interaction of all these models, Caltrans would be in a position to better analyze the impacts of policy plans, programs, and major investments on transportation, the economy, and the built environment on a statewide scale.

California Household Travel Survey

To combine resources and create a consistent set of data, Caltrans has joined with the California Association of Councils of Governments and regional agencies to develop and implement the 2012 California Household Travel Survey. Regional travel models and the Statewide Travel Demand Model use statewide multimodal regional and interregional household travel behavior surveys during model development to be able to forecast travel behavior.

Statewide Model Framework



CALTRANS EARTH

Caltrans Earth (CT Earth) visually brings together the vast amount of transportation and land use information compiled through the CIB. CT Earth provides a web-based data access, sharing and viewing tool through a California focused virtual world created by Caltrans and built on proven technology developed by Google. CT Earth helps Caltrans, other state agencies, and eventually, the general public to make better decisions about our transportation system. CT Earth offers an opportunity for everyone to view information in all phases of projects, including environmental planning, design, construction, and operations. This information includes state highways, rail, transit facilities, environmental resources, current and planned projects and more.